

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

1. Fasteners shall be high strength bolts. Bolts M22, open holes 24 mm  $\phi$ , unless otherwise noted.
2. Calculated mass of Structural Steel (M270M Grade 345) = 45,296 kg  
(M270M Grade 250) = 7,028 kg
3. The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams and all splice plate material except fill plates.
4. The Inorganic zinc rich primer/ Acrylic/ Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No 5B 1/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown, Munsell No 2.5YR 3/4. See special provision for "Cleaning and Painting New Metal Structures". Field coats will be applied under a separate contract.
5. The structural steel bearing plates of the Elastomeric Bearing Assembly shall conform to the requirements of AASHTO M 270M Grade 345.
6. For Type I Elastomeric Bearings, two 3mm adjusting shims shall be provided for each bearing in addition to all other plates or shims.
7. Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work. However, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
8. All dimensions are in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. Rt. 305	28 R-HB-F	McHenry	13	4
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

62856

TOTAL BILL OF MATERIAL

CODE NO.	ITEM	UNIT	SUPERSTRUCTURE
50300410	Furnishing Elastomeric Bearing Assembly, Type I	Each	18
50500205	Furnishing Structural Steel	L. Sum	1
X0322770	Storage of Structural Steel and Bearings	Cal. Day	30
X0320622	Field Measurements	L. Sum	1

MAJOR WORK ITEMS:

Paid for Under the Item  
"Furnishing Structural Steel"

1. Beams, Splices and Diaphragms between beams 1 and 6.  
2. Fixed Bearings at the East and West Abutments.  
3. Retainer Angels for Bearings.

Paid for Under the Item  
"Furnishing Elastomeric  
Bearing Assembly, Type 1"

4. Bearings for new Beams at Piers 1, 2 and 3.

GENERAL NOTES, MAJOR WORK ITEMS & TOTAL BILL OF MATERIAL

Date	Designed MR	SOUTH ST. OVER US 14 FAP ROUTE NO. 305 SECTION 28 R-HB-F STATION 29+999.897 COUNTY McHENRY STRUCTURE NO. 056-3015	Sheet No.  4  of 13
Revisions	Drawn R.VEJAR		
	Checked KSM		
	Approved KSM		
HARRY O. HEPTER-ASSOCIATES, INC. DESIGN AND CONSULTING ENGINEERS		180 North Wabash Ave. Chicago, Illinois 60601 312/346-8131	File Name:
Job No. 1962			

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09/17/2004